

Name : _____

Factoring Trinomials ($a = 1$)

Write each trinomial as the product of two binomials.

① $x^2 + 2x - 63$

③ $x^2 - 6x + 9$

⑤ $x^2 - 8x + 12$

⑦ $x^2 + x - 42$

⑨ $x^2 + 10x + 16$

② $x^2 + 17x + 72$

④ $x^2 - 16$

⑥ $x^2 + 11x + 18$

⑧ $x^2 - 9x + 14$

⑩ $x^2 - x - 30$

Name : _____

Factoring Trinomials (a = 1)

Answers

① $x^2 + 2x - 63$

$(x - 7)(x + 9)$

③ $x^2 - 6x + 9$

$(x - 3)^2$

⑤ $x^2 - 8x + 12$

$(x - 6)(x - 2)$

⑦ $x^2 + x - 42$

$(x + 7)(x - 6)$

⑨ $x^2 + 10x + 16$

$(x + 2)(x + 8)$

② $x^2 + 17x + 72$

$(x + 9)(x + 8)$

④ $x^2 - 16$

$(x - 4)(x + 4)$

⑥ $x^2 + 11x + 18$

$(x + 2)(x + 9)$

⑧ $x^2 - 9x + 14$

$(x - 2)(x - 7)$

⑩ $x^2 - x - 30$

$(x + 5)(x - 6)$